

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (currently amended). Connector for fluids, said connector with automatic automatically locking for connecting the Luer cones of two pieces of equipment for medical use, said connector constituted of comprising a tubular male socket having an adaptation tip at one end-piece and a tip to be fitted of external conical shape, and a tubular female socket having an adaptation tip at one end-piece and a reception tip of internal conical shape able to receive said fitting tip of the male connection with a lateral seal, the male socket being provided with external lateral lugs, the female socket being provided with a set of external notches and the connector comprising a locking collar to be mounted on the two sockets, characterised in that wherein said collar has lateral ports able to be crossed by said external lateral lugs of the male socket for blocking the collar axially and in rotation on the male socket, and that-said collar has a transversally deformable part equipped with internal notches, shaped so that the external notches of the collar can pass over the notches of the female socket when the collar is pushed in a direction towards the socket and be-held by the notches of the female socket when there is traction in the reverse direction, and the notches of the collar and of the female socket being shaped so as to allow relative rotation of the female socket and the collar, said collar comprising zones such that a

radial thrust on these zones causes deformation of the collar thus separating the notches of the collar from the notches of the female socket in order to allow separation of the collar and the female socket.

2 (previously presented). Connector according to claim 1 wherein said collar comprises two sets of notches diametrically opposite each other and two zones at 90° relative to the notches able to be pushed radially to deform the collar transversally in order to separate the two series of notches from each other in order to allow separation of the collar and the female socket from the connector.

3 (previously presented). Connector according to claim 1 or 2 wherein the notches of the collar and the female socket have a slight inclination to facilitate and automate the locking by axial thrust and a steep slope to prevent unlocking, the locking being ensured by the contact between the steep inclinations of the notches of the collar on the steep inclinations of the notches of the female socket.

4 (previously presented). Connector according to claim 1 or 2 wherein the notches of the female socket are grooves or portions of circular grooves.

5 (previously presented). Connector according to claim 1 wherein the male socket has its adaptation tip designed to receive a male Luer by fitting.

6 (previously presented). Connector according to claim 1 or 5 wherein the female socket has its adaptation tip designed internally with a male Luer able to be fit into a female Luer.

7 (previously presented). Connector according to claim 1 wherein at least one of the adaptation tips is designed to be connected to a cylindrical tube.

8 (previously presented). A connector according to claim 1 or 2 comprising means for connection to a syringe.

9 (previously presented). A connector according to claim 1 or 2 comprising means for connection to a tube.

10 (currently amended). Medical equipment comprising a connector with a connection tip including a male or female socket of a connector, said connector automatically locking for connecting the Luer cones of two pieces of equipment for medical use, said connector comprising a tubular male socket having an adaptation tip at one end-piece and a tip to be fitted of external conical shape for connection with a tubular female socket having an adaptation tip at one end-piece and a reception tip of internal conical shape able to receive said fitting tip of the male connection with a lateral seal, the male socket being provided with external lateral lugs, the female socket being provided with a set of external notches and the connector comprising a locking collar to be mounted on the two sockets, wherein said collar has lateral ports able to be crossed by said external lateral lugs of the male socket for blocking the collar axially and in rotation on the male socket, and said collar has a transversally deformable part equipped with

internal notches, shaped so that the external notches of the collar can pass over the notches of the female socket when the collar is pushed in a direction towards the socket and held by the notches of the female socket when there is traction in the reverse direction, and the notches of the collar and of the female socket being shaped so as to allow relative rotation of the female socket and the collar, said collar comprising zones such that a radial thrust on these zones causes deformation of the collar thus separating the notches of the collar from the notches of the female socket in order to allow separation of the collar and the female socket according to claim 1 or 2.

11 (previously presented). A connector according to claim 1 or 2 comprising means for connection to a needle.

12 (previously presented). A connector according to claim 1 or 2 comprising means for connection to a catheter hub.

13 (new). Medical equipment comprising a connector with a connection tip including a tubular female socket, said connector automatically locking for connecting the Luer cones of two pieces of equipment for medical use, said tubular female socket having an adaptation tip at one end-piece and a reception tip of internal conical shape able to receive with a lateral seal a fitting tip of a male connection having a tubular male socket with an adaptation tip at one end-piece and a tip to be fitted of external conical shape, the male socket being provided with external lateral lugs, the female socket being provided with a set of external notches and the connector comprising a locking collar to be mounted on the two

sockets, wherein said collar has lateral ports able to be crossed by said external lateral lugs of the male socket for blocking the collar axially and in rotation on the male socket, and said collar has a transversally deformable part equipped with internal notches, shaped so that the external notches of the collar can pass over the notches of the female socket when the collar is pushed in a direction towards the socket and held by the notches of the female socket when there is traction in the reverse direction, and the notches of the collar and of the female socket being shaped so as to allow relative rotation of the female socket and the collar, said collar comprising zones such that a radial thrust on these zones causes deformation of the collar thus separating the notches of the collar from the notches of the female socket in order to allow separation of the collar and the female socket.

14 (new). Medical equipment according to claim 10 or 13 wherein said collar comprises two sets of notches diametrically opposite each other and two zones at 90° relative to the notches able to be pushed radially to deform the collar transversally in order to separate the two series of notches from each other in order to allow separation of the collar and the female socket from the connector.